

*Amold*  
*B1*

a ZnO:Zn phosphor capable of enhancing the brightness of the display,  
wherein the mixing ratio of the luminescent material to the ZnO:Zn phosphor is varied  
according to a desired level of the brightness.

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*B2*

6. (Amended) A method for forming a high-brightness phosphor screen by mixing a  
luminescent material for emitting light of a predetermined color and a predetermined amount of  
a ZnO:Zn phosphor, the method comprising the steps of:

(a) preparing a phosphor mixture solution by dispersing the luminescent material and the  
ZnO:Zn phosphor in a solvent, wherein the luminescent material comprises at least one blue  
light-emitting phosphor selected from the group consisting of (Zn,Cd)S:Ag, (Zn,Cd)S:Ag,Cl,  
(Zn,Cd)S:Ag,Cl,Al and (Zn,Cd)S:Ag,Cl,Mg, or a green light-emitting phosphor,  
(Zn,Cd)S:Cu,Al,Au;

(b) forming a phosphor layer by depositing the phosphor mixture solvent on a substrate;  
and

(c) evaporating the solvent from the deposited phosphor layer.

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